

For Research Use Only

ACTG2 Polyclonal antibody

Catalog Number: 31849-1-AP



Basic Information

Catalog Number:

31849-1-AP

Concentration:

230 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG36024

GenBank Accession Number:

BC094877

GeneID (NCBI):

72

UNIPROT ID:

P63267

Full Name:

actin, gamma 2, smooth muscle,
enteric

Calculated MW:

42 kDa

Observed MW:

42 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB 1:1000-1:8000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : HeLa cells, mouse skeletal muscle tissue, HepG2
cells, mouse stomach tissue, rat skeletal muscle tissue

Background Information

Actin gamma 2 (ACTG2, also known as ACT, ACTE, VSCM, ACTA3, ACTL3, and ACTSG) is a highly conserved protein involved in various types of cell motility and ubiquitously expressed in all eukaryotic cells. ACTG2 mutations would cause congenital distended bladder, microcolon, and intestinal hypoperistalsis (PMID: 24337657). It also has been reported that ACTG2 promotes hepatocellular carcinoma (HCC) migration and invasion through the Notch1 signaling pathway, which might serve as a new intervention target for the treatment of HCC (PMID: 28385530).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

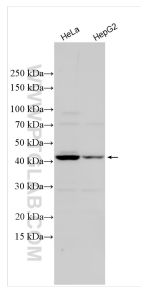
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31849-1-AP (ACTG2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.